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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/628,669	07/28/2000	Wayne Samuel Davis	15444A	3656

7590 07/17/2002  
Tyco Technology Resources  
4550 New Linden Hill Road Suite 450  
Wilmington, DE 19808-2952

EXAMINER
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NGUYEN, KHIEM M

ART UNIT	PAPER NUMBER
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2839

DATE MAILED: 07/17/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

# Office Action Summary

Application No.

09/628669

Applicant(s)

Dai's

Examiner

KHIEM NGUYEN

Group Art Unit

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—The MAILING DATE of this communication appears on the cover sheet beneath the correspondence address—

## Period for Response

A SHORTENED STATUTORY PERIOD FOR RESPONSE IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a response be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for response specified above is less than thirty (30) days, a response within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for response is specified above, such period shall, by default, expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to respond within the set or extended period for response will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).

## Status

- ☒ Responsive to communication(s) filed on 3/13/02.
- ☒ This action is **FINAL**.
- ☐ Since this application is in condition for allowance except for formal matters, **prosecution as to the merits is closed** in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11; 453 O.G. 213.

## Disposition of Claims

- ☒ Claim(s) 1-34, 38-41, 47-54 is/are pending in the application.
- Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- ☒ Claim(s) 1-18, 23-26, 38-42, 47-54 is/are allowed.
- ☒ Claim(s) 19-22, 27-34 is/are rejected.
- ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- ☐ Claim(s) \_\_\_\_\_ are subject to restriction or election requirement.

## Application Papers

- ☐ See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948.
- ☐ The proposed drawing correction, filed on \_\_\_\_\_ is ☐ approved ☐ disapproved.
- ☐ The drawing(s) filed on \_\_\_\_\_ is/are objected to by the Examiner.
- ☐ The specification is objected to by the Examiner.
- ☐ The oath or declaration is objected to by the Examiner.

## Priority under 35 U.S.C. § 119 (a)-(d)

- ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).
- ☐ All ☐ Some\* ☐ None of the CERTIFIED copies of the priority documents have been received.
- ☐ received in Application No. (Series Code/Serial Number) \_\_\_\_\_.
- ☐ received in this national stage application from the International Bureau (PCT Rule 1.7.2(a)).

\*Certified copies not received: \_\_\_\_\_

## Attachment(s)

- ☐ Information Disclosure Statement(s), PTO-1449, Paper No(s). \_\_\_\_\_
- ☐ Interview Summary, PTO-413
- ☐ Notice of References Cited, PTO-892
- ☐ Notice of Informal Patent Application, PTO-152
- ☐ Notice of Draftsperson's Patent Drawing Review, PTO-948
- ☐ Other \_\_\_\_\_

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## DETAILED ACTION

### *Reissue Applications*

1. Applicant is reminded of the continuing obligation under 37 CFR 1.56 to timely apprise the Office of any litigation information, or other prior or concurrent proceeding, involving Patent No. 5,295,843 and 5,785,557 which is material to patentability of the claims under consideration in this reissue application. This obligation rests with each individual associated with the filing and prosecution of this application for reissue. See MPEP §§ 1404, 1442.01 and 1442.04.
2. The original patent, or an affidavit or declaration as to loss or inaccessibility of the original patent, must be received before this reissue application can be allowed. See 37 CFR 1.178.

### *Claim Rejections - 35 USC § 103*

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 19-22, 27-34 are rejected under 35 U.S.C. 103(a) as being unpatentable over Roberts (3,760,335) in view of Henschen et al. (3,663,930), Chau et al. (5,190,480) and Martens (4,582,386).

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4. Roberts discloses mateable electrical connectors comprising a first and a second electrical connectors having mateable contacts and at least one first cantilevered power contacts 58' mateable with at least one second power contacts 50 ; the first power contacts having opposed contact fingers, and the second power contact having opposed contact surfaces; wherein the opposed contact fingers of the first power contacts are received between the opposed contact surfaces of the second power contacts such that the contact fingers resiliently deflect inwardly and exert pressure of the opposed contact surfaces. It is noted that the first power contacts of Roberts, the fingers are not extending from a body and Roberts lacks to disclose separate signal contacts from the power contacts and in which the power contacts are larger or more massive than the signal contacts as substantially set forth by applicant's invention. Henschen et al. shows contact terminal structure 2 having resilient fingers extending from a single body 26, and Chau et al. and Martens both disclose the use of signal contacts in combination with power contacts in their connector housings and that their power contact are generally larger or more massive than their signal contacts. Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to construct the first power contacts of Roberts with fingers extending from a body in view of Henschen et al., and to provide signal contacts in combination with at least one set of power contacts for the connector Roberts in which the power contacts are larger or more massive than the signal contacts in view of the teachings of Chau et al. and Martens. The use of contact structures having resilient fingers extending from a single body is

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old and well known, and the use of larger power contacts would increase the current carrying capacity as is well known the art (see Chau et al., column 4, lines 10-18).

***Allowable Subject Matter***

5. Claims 1-18, 23-26, 38-42, 47-54 are allowed.

***Response to Arguments***

6. Applicant's arguments filed with the amendments have been fully considered but they are not persuasive.

Regarding applicant's argument that he can find no reference to the fact that the connector contacts in Roberts and Henschen, et al. contacts are used for power. The Examiner agreed. However, it is also submitted that the disclosure of these prior art also do not mentioned that their contacts cannot be used for power. It is submitted that the contacts for the above prior art are easily usable as power contacts, since, the use of power contacts is old and well known. Further, it is submitted that it is known that telecommunications cable also power contacts. Regarding the Henschen reference. It is used to show a contact configuration. Nevertheless, the contacts of Henschen et al. could also be used as power contacts, since, the use of contact for power is old and well known and is not merely limited by dimensions. Regarding, the secondary references to Martins and Chau et al. It is submitted that their combination is proper, since, they merely used to show that the use of power and signal contacts is old and well know in the connector art.

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Finally, in response that applicant's argument that the prior art does not show a cantilevered power contact. However, it is submitted that the term cantilered is broad is readable on any contact that is anchored at one base end. Roberts clearly shows contacts 58' anchored at one base end.

7. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the mailing date of this final action.

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8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Examiner Khiem Nguyen between the hours of 10 AM and 6 PM whose telephone number is (703) 308-1738 . If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Brian Sircus, may be reached on (703) 308 3119.

  
Khiem Nguyen

Primary Examiner

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